

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 March 2002 (21.03.2002)

PCT

(10) International Publication Number
WO 02/23764 A3

(51) International Patent Classification⁷: **H04B 7/005** (74) Agent: BENGSSON, Peggy; Ericsson Mobile Communications AB, IPR Department, S-221 83 Lund (SE).

(21) International Application Number: **PCT/EP01/10712**

(22) International Filing Date:
17 September 2001 (17.09.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/663,269 18 September 2000 (18.09.2000) US

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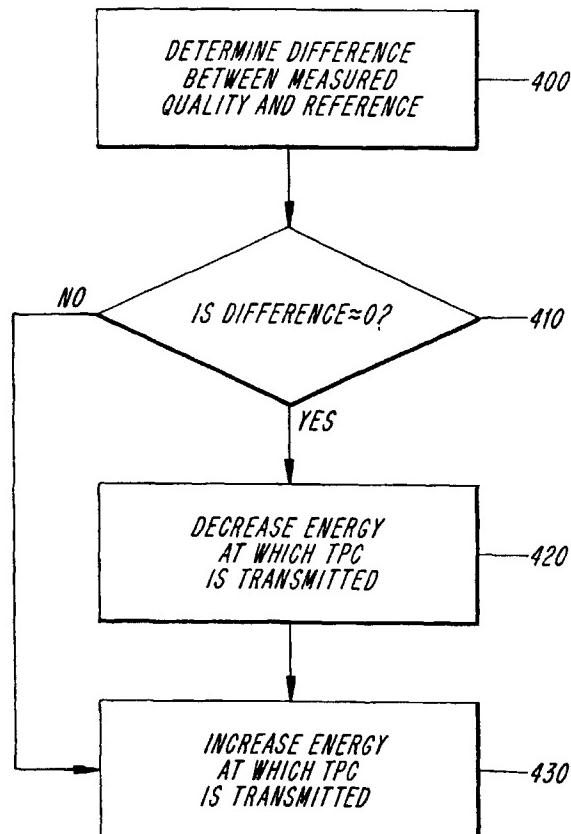
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(81) Designated States (national): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EC, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SETTING TRANSMIT POWER CONTROL COMMAND ENERGY



(57) Abstract: The energy at which a transmit power control is transmitted is set based on how important it is that the transmit power control command is received. As an indication of how important it is that the transmit power control command is received, a difference between a measured quality, e.g., SIR, of a received signal and a reference may be determined. The energy at which the transmit power control command is transmitted may be set based on this difference. The energy of the transmit power control command may be set by adjusting the power at which the transmit power control command is transmitted and/or by adjusting the coding of the transmit power control command. If the difference is determined to be substantially zero, the energy at which the transmit power control command is transmitted is decreased, by an amount that is a function of the difference. If the difference is determined not to be substantially zero, the energy at which the transmit power control command is transmitted is increased by an amount that is a function of the difference. This technique may be used for uplink transmit power control commands or for downlink power control commands. For uplink transmit power control commands, the technique is performed in the network, e.g., in a base station. For downlink transmit power control commands, the technique is performed in, e.g., a remote terminal.

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

30 May 2002

INTERNATIONAL SEARCH REPORT

Int.	International Application No
PCT/EP 01/10712	

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 31893 A (QUALCOMM INC) 2 June 2000 (2000-06-02) abstract page 8, line 11 -page 11, line 16 figures 2,3 ---	1,2,4, 10,12, 13,15,21
A	SALONAH O ET AL: "FLEXIBLE POWER ALLOCATION FOR PHYSICAL CONTROL CHANNEL IN WIDEBAND CDMA" HOUSTON, TX, MAY 16 - 20, 1999, NEW YORK, NY: IEEE, US, vol. CONF. 49, 16 May 1999 (1999-05-16), pages 1455-1458, XP000903286 ISBN: 0-7803-5566-0 page 1455 ---	1,2,4, 10-13, 15,21,22

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Patent family members are listed in annex.

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Date of the actual completion of the international search

13 March 2002

Date of mailing of the international search report

19/03/2002

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International Application No
PCT/EP 01/10712

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	USUDA M ET AL: "OPTIMIZING THE NUMBER OF DEDICATED PILOT SYMBOLS FOR FORWARD LINK IN W-CDMA SYSTEMS" TOKYO, JAPAN, MAY 15-18, 2000, NEW YORK, NY: IEEE, US, vol. CONF. 51, 15 May 2000 (2000-05-15), pages 2118-2122, XP000986979 ISBN: 0-7803-5719-1 abstract -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. tional Application No

PCT/EP 01/10712

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0031893	A 02-06-2000	US 6208873 B1	27-03-2001	AU 1830400 A 13-06-2000